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XDP-013-014 Differential Sensors with Double Spatula

The Differential Sensors with Double Spatula allow reducing ambient noise and handling when measuring partial discharge on MV/HV cable joints and elbows.

The **XDP -013** has been specially designed for insulated cable joints (XLPE/EPR type of insulation). Both spatulas are installed on each side of joints which are the most critical areas in which to locate partial discharge activities.

The sensor provides the level of noise, in dB, on both side of the joint individually. The sensor also gives the result of the subtraction of both values in a way to reduce significantly the ambient noise habitually present.

The **XDP-014** uses the same technique on elbows. It has been designed taking into consideration the different cable geometry of an elbow to give the most accurate value.



Advantages :

- On-line Partial Discharge Detection.
- Eliminates the ambient noise by a factor of 3 to 5 to allow the detection of a problem even in a noisy environment.
- Easy to handle.
- Detect any problems having a relative value in dB higher than the ambient noise.